

Appendix C: A Table of Data Model differentiators

Model	Initial Funder	Current Funder	Warehouse Design Influence	Typical Implementing Organization	Differentiators
VSD	CDC	CDC	Inmon: 3NF	HMO	Data pooled at a single site. Used by the CDC to identify adverse events related to vaccines.
VDW	NCI	HCSRN	Inmon: 3NF	HMO	Longevity. Implementation guidelines. Mature QA process. Standard code library.
i2b2	NIH NCBC	NIH NCBC	Kimball Dimensional	Provider	I2b2 Star Schema is flexible and fast.
OMOP	FDA, PhRMA, FNIH	Reagan-Udall Foundation	EAV and Kimball Dimensional	Insurer	Standard vocabulary – EAV style model. Polished (java-based) toolset for user queries. Fast implementation for claims only data.
Sentinel	FDA	FDA	Inmon: 3NF	Insurer	Standard querying mechanism & code library. Rigorous QA process.
CESR	Kaiser Permanente	Kaiser Permanente	Inmon: 3NF	(Kaiser) HMO	Heavy affinity for Epic EMR-sourced data (as all Kaiser regions have implemented Epic) and other pan-Kaiser data sources.
PCORnet	PCORI	PCORI	Inmon: 3NF	Provider	Standard querying mechanism & code library. Rigorous QA process.